

POOR ORIGINAL COPY

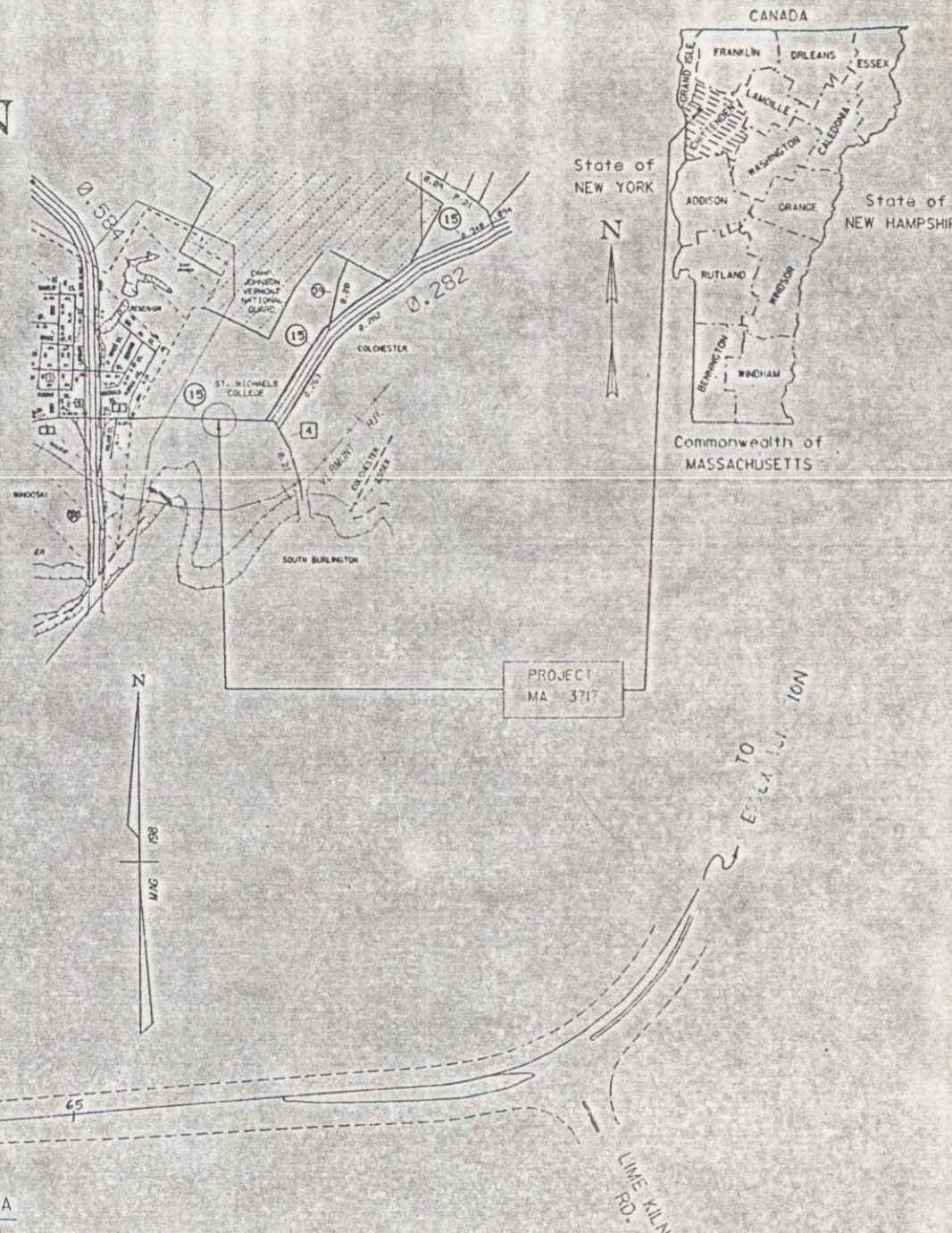
STATE OF VERMONT
AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT
TOWN OF COLCHESTER
COUNTY OF CHITTENDEN
VT. ROUTE 15 : (F.A.P.)

BEGINNING AT A POINT 0.19 MILES EAST OF THE
WINOOSKI - COLCHESTER TOWN LINE ON VT. ROUTE 15
AND EXTENDING NORTHERLY 0.06 MILES.

LENGTH OF PROJECT - 1 INTERSECTION
PROJECT CONSISTS OF INSTALLING TRAFFIC SIGNALS AT
SAINT MICHAEL'S COLLEGE WEST ENTRANCE.



ROW PLANS

CONVENTIONAL SIGNS	
COUNTY LINE	---
TOWN LINE	---
LIMITS OF ACCESS	---o---o---
POINT OF ACCESS	X
FENCE LINE	---x---
STONE WALL	---o---o---o---
TRAVELED WAY	---o---o---
DISARD RAIL	---o---o---
RAILROAD	---o---o---
SURVEY LINE	---
CULVERT	---
POWER POLE	---
TELEPHONE POLE	---
TREES	---
CONTROL OF ACCESS	---
PROPERTY LINE	---
R.O.W. TAKING LINE	---
SLOPE RIGHTS	---
TOP OF CUT	---
TCE OF SLOPE	---

DATUM
VERTICAL
HORIZONTAL

TD/03

0 100 200
SCALE IN FEET

PROPOSED EASEMENTS
SHOWN ON SHEET 3

APPROVED *David B. Vailley* DATE *10/24/87*
Director of Engineering & Construction

APPROVED *L. C. Cunniff* DATE *10/29/87*
Chief, Property Administration

COLCHESTER
MA 3717
SHEET 1 OF 3

MM0019-0025

Pin # 000004

JAN 0 8 1990

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SIGNAL TIMING AND PHASING

PHASE	PHASE A				PHASE B				PHASE C			
	W	TH	FR	SAT	W	TH	FR	SAT	W	TH	FR	SAT
INITIAL												
EXT												
MIN	40	4	2	8	8	4	2	8	8	4	2	8
MAX W/FLS	35	-	-	4	2	4	-	-	4	2	4	-

PHASE	W	TH	FR	SAT
PHASE 2	G	Y	R	R
PHASE 4	R	R	G	G
PHASE 6	G	Y	R	R
PHASE 8	R	R	G	G
PED	W	W	W	W

PHASE B = W/FLS
PHASE 2 = W/FLS

9. Run ped wiring aerially between Pole #2 and #3 on a messenger cable. Min cable clearance over the drive shall be 18'.

WORK TO BE DONE BY STATE FORCES

1. Install traffic signal strain poles. Set bases as shown in detail on sheet 5.
2. Install the cabinet, controller and all other necessary equipment on pole #1. Install a meter socket on the side of the cabinet.
3. Install signal heads, pole from heads and conduit, as shown.
4. Install a 6'x30' loop on the St Michael's Drive and two 6'x20' loops on the Bagel Bakery Drive as shown. The loops shall run in the presence mode.
5. Apply pavement markings as shown.
6. Coordinate activities with the utilities.
7. Remove and install signs as shown.
8. Use a delay call loop amplifier set to 8-10 seconds due to Bagel Bakery driveway configuration. (Entering vehicle will trip loops as well as exiting vehicles.) Use a second loop amplifier for the St Michael's drive loop. Both amplifiers shall call the same place. (Cont'd above)

WORK TO BE DONE BY THE UTILITY

1. Adjust existing utilities to provide adequate clearances. (between poles #8 and #9)
2. Provide power source for controller. Meter to be installed on the cabinet. (Mid span aerial service)
3. Set free standing utility pole (25'±)

St Michael's

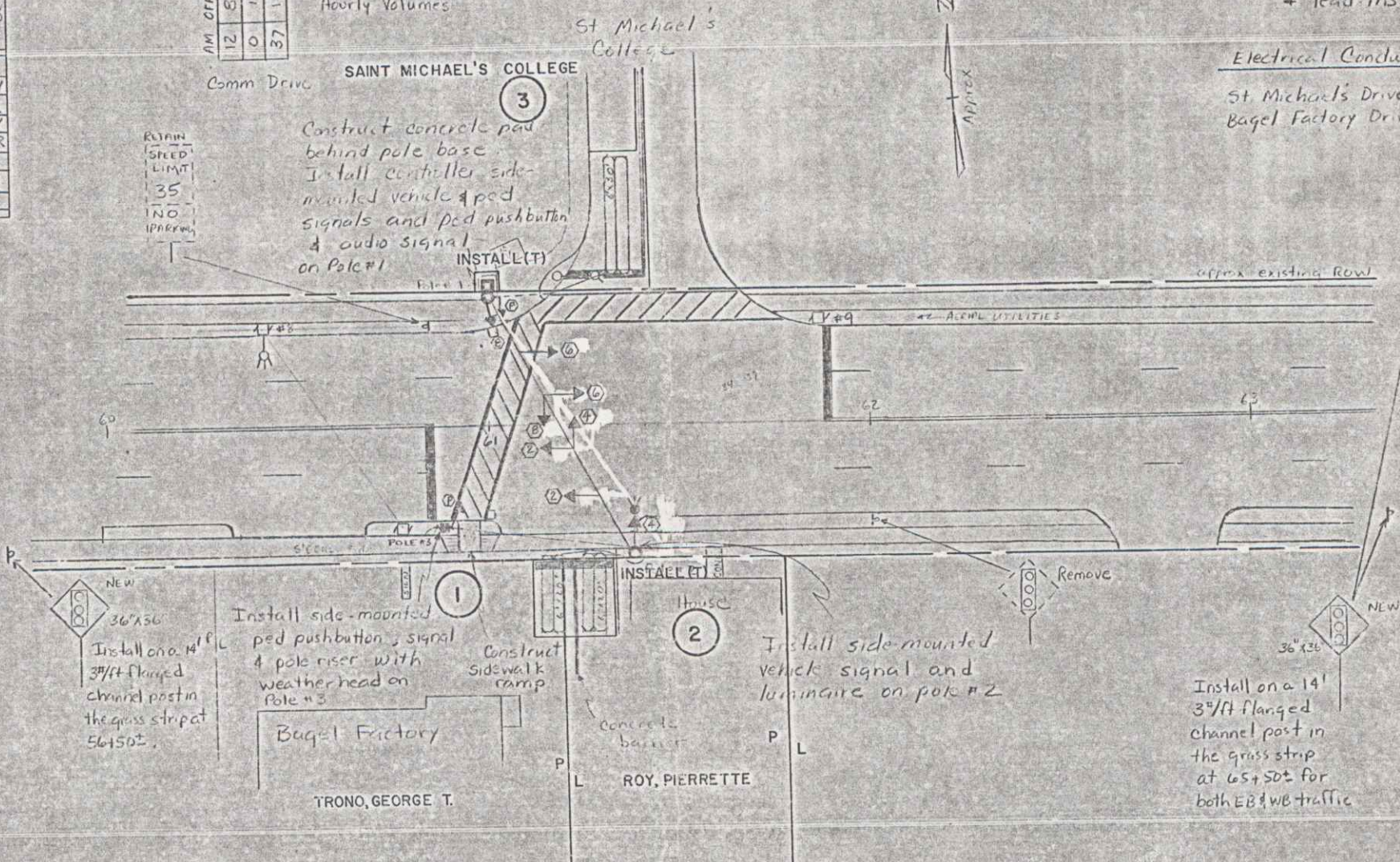
AM	OFF	PM
23	53	12
4	1	0
1	10	2

AM	OFF	PM
34	50	54
9:00	7:00	10:45
17	10	0

1987 Average Weekly Hourly Volumes

AM	OFF	PM
15	22	22
1284	715	1157
21	12	8

1987 Average Weekly Hourly Volumes



Temporary 24" Stopbars
60185, 4 ~ 24' RT
61112 ~ 61133, 36' RT (Bagel Factory)
61120 ~ 61141, 39' LT (St Michael's)
61189, 24' LT ~ 2

Temporary 4" White Lines
59192 ~ 60192, 12' LT & 12' RT (Dashed)
61189 ~ 62189, 12' LT & 12' RT (Dashed)

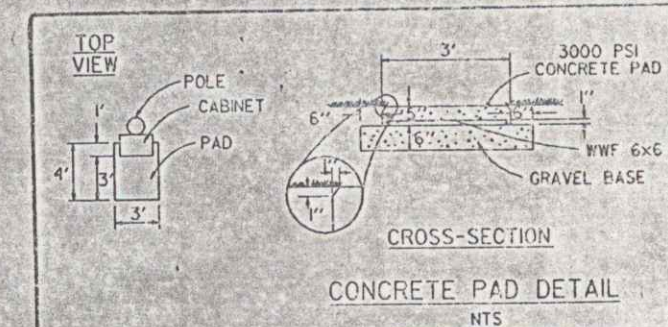
Portland Cement Concrete Sidewalk - 5"
60187 ~ 61103, RT (Sec Std)
Type 6 Ramp 60195 C-3 EX IV

Temporary 4" Yellow Lines
59192 ~ 60192, 4 (Double)
61189 ~ 62189, 4 (Double)
61141, 40' ~ 90' LT (Double) St Michael's

Temporary Crosswalk w/ Diagonal Lines
60195, 24' RT ~ 61111, 30' LT
61113, 32' LT ~ 61170, 32' LT

Vehicle Loop Detector
St Michael's Drive 6'x20' loop, as shown
Bagel Bakery Drive two 6'x20' loops, as shown + lead ins

Electrical Conduit
St Michael's Drive curb to Pole #1
Bagel Bakery Drive edge of drive to Pole #2



EXISTING	NEW	LEGEND
□	■	UTILITY POLE
○	●	LUMINAIRE
○	●	WOOD POLE
○	●	STRAIN POLE
□	■	CONTROLLER CABINET
□	■	PULL BOX / JUNCTION BOX
→	→	SIGNAL HEAD
—	—	CONDUIT
—	—	VEHICLE LOOPS
—	—	SIGNS

TRAFFIC SIGNAL
LAYOUT
&
TIMING

JAN 9 1990
COLCHESTER
MA 3717
SHEET 3 OF 3